

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number
WO 2005/007518 A3

(51) International Patent Classification⁷: **B32B 7/02**,
27/08, B65C 9/25

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(21) International Application Number:
PCT/US2004/022124

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(22) International Filing Date: 12 July 2004 (12.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/487,946 18 July 2003 (18.07.2003) US
60/530,231 18 December 2003 (18.12.2003) US

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

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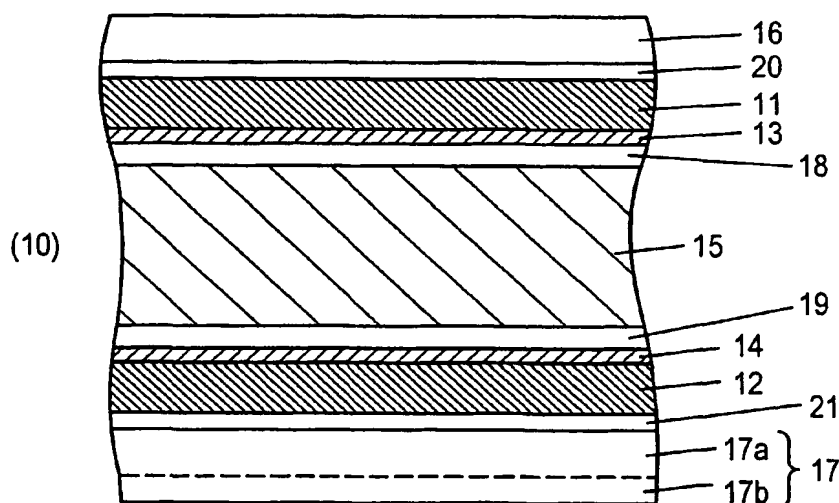
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(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

[Continued on next page]

(54) Title: PLASTIC GAS BARRIER PACKAGING LAMINATE



(57) Abstract: The invention relates to a gas barrier packaging laminate (10) having durability to stress crack formation and yet a bending stiffness and good integrity between the laminate layers, comprising outer layers of heat-sealable polyolefin (16, 17), two polymer carrier layers (11, 12) each being coated with a SiOx gas barrier layer (13, 14), wherein the two polymer carrier layers with SiOx layers are laminated to each other by means of an intermediate polymer layer (15), which includes a thermoplastic polymer having high elastomeric properties. The required stiffness of the packaging laminate is obtained by forming a structural sandwich construction with two stiff carrier layers separated by a relatively thick lower density intermediate layer. Preferably, the thickness of the intermediate polymer layer (15) constitutes from about 30 to about 55% of the total thickness of the packaging laminate (10). The invention also relates to a packaging container such as a pouch or similar manufactured from the packaging laminate and to a method of manufacturing of the packaging laminate.



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
17 November 2005